

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) An electronic device, comprising:
 - a processor for executing an operating system program and a media content presentation program;
 - a media content pickup device operatively connected to said processor, said media content pickup device arranged to capture media content input, said media content pickup device arranged to automatically focus on a user-specified region of interest of the media content input without moving the media content pickup device;
 - an auto-focus mechanism of said media content pickup device arranged to automatically focus on said user-specified region of interest in response to a focus command using position coordinates that identify said user-specified region of interest; and
 - a media output path to receive and to carry the focused media content input.
2. (Previously presented) An electronic device as recited in claim 1, wherein the user-specified region of interest is specified by a user through interaction with a graphical user interface.
3. (Previously presented) An electronic device as recited in claim 2, wherein the graphical user interface is provided by the media content presentation program that is executed by said processor.
4. (Previously presented) An electronic device as recited in claim 2, wherein said media output path carries the focused media content input to be provided to a media output device, the media output device being part of said electronic device or separate from said electronic device.

5. (Original) An electronic device as recited in claim 4,
wherein said media output device is a monitor,
wherein the graphical user interface is displayed on said monitor, and
wherein the graphical user interface includes at least a media content display window.
6. (Previously presented) An electronic device as recited in claim 5, wherein the
user-specified region of interest is specified by the user with reference to the media content
display window.
7. (Original) An electronic device as recited in claim 4, wherein said media output
device is a monitor.
8. (Original) An electronic device as recited in claim 4, wherein said media output
device is at least one speaker.
9. (Original) An electronic device as recited in claim 1, wherein the media content input
is at least one of audio content or video content.
10. (Original) An electronic device as recited in claim 1, wherein said media content
pickup device is at least one of a camera and a plurality of microphones.
11. (Original) An electronic device as recited in claim 1, wherein said electronic device
is one of a mobile telephone, a personal computer, a personal digital assistant, and a handheld
computer.

12. (Previously presented) A computer system, comprising:
- a processor for executing a video application program;
 - a camera operatively connected to said processor, said camera arranged to capture video input in accordance with its field of view, and said camera arranged to automatically focus on a determined region of the field of view without moving the camera, the determined region being determined in accordance with a user input;
 - an auto-focus mechanism of said camera arranged to automatically focus on said determined region of the field of view in response to a focus command using position coordinates that identify said determined region of the field of view; and
 - a data output means operatively connected to said processor, said data output means operating to provide the focused video input for display.
13. (Original) A computer system as recited in claim 12, wherein said processor receives a user input that indicates the determined region of the field of view.
14. (Original) A computer system as recited in claim 13, wherein the user input is with respect to a window displayed on said display.
15. (Original) A computer system as recited in claim 14, wherein the user input is a user selection of a region of the window.
16. (Previously presented) A computer system as recited in claim 12 further comprising:
- at least one microphone for sound pickup.
17. (Original) A computer system as recited in claim 16, wherein the video application program is an audio-video application, and wherein said processor receives the sound pickup from said at least one microphone and supplies audio output to a speaker.

18. (Previously presented) A computer system as recited in claim 17, wherein the speaker is coupled to and associated with said computer system.

19. (Previously presented) A computer system as recited in claim 12 further comprising:

a plurality of microphones for sound pickup, said microphones having a known positional relationship to one another,

wherein said microphones are integral with said camera.

20. (Original) A computer system as recited in claim 19, wherein said processor receives audio input from each of said microphones and processes the audio input to emphasize audio sound from the determined region that has been determined in accordance with the user input.

21. (Previously presented) A method for altering a focus location for a camera coupled to a computing apparatus, said method comprising:

receiving video input from the camera;

displaying the video input in a video viewing window of a monitor;

receiving an identification of a focus region that has been specified by a user by selecting an area of the video viewing window;

sending a focus command to an auto-focus mechanism of said camera;

sending position coordinates identifying said focus region to said auto-focus mechanism;

and

causing the camera to focus on the focus region without moving the camera.

22. (Canceled)

23. (Canceled)

24. (Previously presented) A method as recited in claim 21, wherein the user moves a cursor image over the video viewing window using a pointing device to an area of interest, and then selects the focus region by clicking on the area of interest.

25. (Original) A method as recited in claim 24, wherein the user performs a button press to select the focus region.

26. (Original) A method as recited in claim 25, wherein the button press is with respect to a pointing device.

27. (Original) A method as recited in claim 26, wherein the pointing device is a mouse, trackball or a trackpad.

28. (Previously presented) A method as recited in claim 21, wherein the user moves a position reference image over the video viewing window using a pointing device to an area of interest, and then selects the focus region by clicking on the area of interest.

29. (Original) A method as recited in claim 21, wherein the focus region is an area of interest specified by the user.

30. (Previously presented) A method as recited in claim 21, wherein said receiving of the video input is supplied from a first computing apparatus to a second computing apparatus, and said displaying of the video input and said receiving of the focus region are performed on the second computing apparatus.

31. (Original) A method as recited in claim 21, wherein the computing apparatus is one of a mobile telephone, a personal computer, a personal digital assistant, and a handheld computer.

32. (Previously presented) A method for using a computing apparatus to process audio input provided by a plurality of microphones, said method comprising:
- receiving audio input from the plurality of microphones;
 - receiving an indication of position coordinates of a region of interest from a user with respect to a graphical user interface window being displayed on a monitor available to the user;
 - using said position coordinates identifying said region of interest to target the audio input towards the region of interest; and
 - using digital signal processing to process the audio input to target the audio input towards the region of interest without moving said microphones.
33. (Original) A method as recited in claim 32, wherein said method further comprises:
- outputting the processed audio input to at least one speaker.
34. (Original) A method as recited in claim 33, wherein said method further comprises:
- repeating the foregoing operations after said outputting has output the processed audio input to the at least one speaker.
35. (Original) A method as recited in claim 32, wherein said processing captures audio from the region of interest while attempting to reject audio from other regions.
36. (Original) A method as recited in claim 32, wherein said processing utilizes beam forming and beam steering operations.
37. (Previously presented) A method as recited in claim 32, wherein a camera couples to the computing apparatus, and
- wherein the camera has a housing and the microphones are internal to the housing of the camera.

38. (Original) A method as recited in claim 32, wherein the user performs a button press to select the region of interest.

39. (Original) A method as recited in claim 38, wherein the button press is with respect to a pointing device.

40. (Original) A method as recited in claim 39, wherein the pointing device is a mouse, trackball or a trackpad.

41. (Original) A method as recited in claim 32, wherein the user moves a position reference image over the graphical user interface window using a pointing device to an area of interest, and then selects the region of interest by clicking on the area of interest.

42. (Original) A method as recited in claim 32, wherein said receiving of the audio input is supplied from a first computing apparatus to a second computing apparatus, and said displaying of the graphical user interface window and said receiving of the indication of the region of interest are performed on the second computing apparatus.

43. (Original) A method as recited in claim 32, wherein the computing apparatus is one of a mobile telephone, a personal computer, a personal digital assistant, and a handheld computer.

44. (Previously presented) A video conferencing system operable over a network, said video conferencing system comprising:

a first computer system including at least a first processor for executing a first operating system program and a first video application program, a first camera to capture first video input, and a first monitor; and

a second computer system operatively connectable to said first computer system via the network, said second computer system including at least a second processor for executing a

second operating system program and a second video application program, a second camera to capture video input, and a second monitor;

an auto-focus mechanism of said second camera arranged to automatically focus on a selected region of interest, said auto-focus mechanism being arranged to automatically focus using position coordinates that identify said selected region of interest;

wherein when said first computer system and said second computer system are involved in a video conference, said first monitor displays the second video input provided by said second camera via the network, and said second monitor displays the first video input provided by said first camera via the network, and

wherein when a first user interacts with a window including the second video input presented on said first monitor to select said region of interest with respect to the second video input, said second camera then automatically focuses itself using said auto-focus mechanism so that the second video input is focused on the region of interest without moving said second camera.

45. (Canceled)

46. (Previously presented) A video conferencing system as recited in claim 44, wherein the first user interfaces with the first graphical user interface by moving a graphical indicator over the window to identify the region of interest and then indicating its selection.

47. (Original) A video conferencing system as recited in claim 44,

wherein said first computer system further includes at least a first plurality of microphones and a first speaker,

wherein said second computer system further includes at least a second plurality of microphones and a second speaker,

wherein second audio input obtained by said second plurality of microphones is provided to said first computer system via the network and then output to said first speaker,

wherein first audio input obtained by said first plurality of microphones is provided to said second computer system via the network and then output to said second speaker, and

wherein said second multimedia computer system performs processing on the second audio input based on the region of interest selected by the first user, whereby the second audio input is processed so as to emphasize audio sound from the region of interest.

48. (Original) A video conferencing system as recited in claim 44,
wherein said first plurality of microphones are internal to a housing of said first camera,
and
wherein said second plurality of microphones are internal to a housing of said second camera.

49. (Previously presented) A computer readable medium including at least computer program code for directing media content input, said computer readable medium comprising:

computer program code for receiving media content input from a media content capturing device;

computer program code for receiving position coordinates of a user-specified region of interest for the media content input;

computer program code for using said position coordinates identifying said user-specified region of interest to process said media content input into a media content display window;

computer program code for processing a media content input into said media content display window based on said user-specified region of interest without moving said media content capturing device, wherein the user-specified region of interest is specified by the user by selecting a region within the media content display window; and

computer program code for providing the media content display window to a graphical user interface of a monitor.

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Original) A computer readable medium as recited in claim 49, wherein the media content input is at least one of audio content or video content.

54. (Original) A computer readable medium as recited in claim 49, wherein said media content pickup device is at least one of a camera and a plurality of microphones.

55. (Previously presented) A computer readable medium as recited in claim 49, wherein the monitor includes at least one speaker.

56.-61. (Canceled)